**AR&D Job Description**

The Analytical Research & Development department of Merck Research Laboratories is seeking applicants for a Senior Scientist position. The Senior Scientist is a laboratory-based scientific role tasked with solving complex analytical problems at the interface of chemistry, biochemistry, engineering, and lab informatics disciplines to enable development of small-molecules, biologics, and vaccines.  The successful candidate must function well and be able to collaborate in a diverse, fast-paced, integrated, multidisciplinary team environment.  Research experience should demonstrate successful application of state-of-the-art analytical techniques to solve problems across scientific disciplines, including one or more of the following: separations (HPLC, SFC, GC, CE, IC), solution NMR, mass spectrometry, solid-state analysis (DSC, TGA, DVS, Raman, X-ray diffraction, XRCT, SEM-EDX, ssNMR) & biophysical characterization (CD, IR, IF, MFI, DLS/SLS, Cryo-EM, SAXS) plus related spectroscopic and microscopic techniques,   biochemistry (SDS-PAGE, western blots, protein structure characterization, protein-binding interactions, epitope mapping, protein folding), development and applications of analytical techniques in virology, immunology, and cell biology (for example ELISA, viral infectivity assays, TCID50), as well as classical chemistry and biology techniques. Additional experience in analytical method development, synthetic / physical organic chemistry, molecular or structural biology, process analytical technology (PAT), or lab automation is considered a plus.  Applicants must have effective organizational, multi-tasking, oral / written communications skills, show scientific leadership, and a desire to conduct research and publish.  In addition, prior experience in leading technical personnel and/or analytical projects will aid in distinguishing candidates.

Education:

Applicants must hold one one of:

* PhD Degree in chemistry, biochemistry, pharmaceutical sciences or other related fields. Or will be graduating with a PhD in 2022 or early 2023. Previous pharmaceutical industry experience is a plus.
* MS plus at least 3 years of pharmaceutical industry experience.
* BS in Chemistry, Pharmaceutical Sciences or related fields, plus at least 7 years of industry experience.

Required Skills

* Strong background and extensive experience with the analytical tools mentioned above
* A proven record of strong technical problem solving and innovative research experience, supported by scientific publications.
* Excellent written and oral communication skills.
* Strong influence and interpersonal skills.

Locations

* Rahway (NJ), Kenilworth (NJ), West Point (PA), Boston (MA) or San Francisco (CA)